502670729 02/07/2014

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

EPAS ID: PAT2717336

NATURE OF CONVEYANCE: CONVEYING PARTY DATA Name TY A. LARSEN	
Name	
TY A. LARSEN	Execution Date
	02/06/2014
RICHARD E. MURRISH	02/06/2014
RECEIVING PARTY DATA	
Name: THE BOEING COMPANY	
Street Address: 100 N. RIVERSIDE PLAZA	
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State/Country: ILLINOIS	
Postal Code: 60606	
Application Number: 14174892	
Application Number: 14174892	
CORRESPONDENCE DATA	
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Correspondence will be sent via US Mail when the email attempt is unsuccessful. Correspondent Name: PERMAN & GREEN LLP Address Line 1: 99 HAWLEY LANE	
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Correspondence will be sent via US Mail when the email attempt is unsuccessful. Correspondent Name: PERMAN & GREEN LLP Address Line 1: 99 HAWLEY LANE	
Correspondence will be sent via US Mail when the email attempt is unsuccessful. Correspondent Name: PERMAN & GREEN LLP Address Line 1: 99 HAWLEY LANE Address Line 4: STRATFORD, CONNECTICUT 06614	
Correspondence will be sent via US Mail when the email attempt is unsuccessful. Correspondent Name: PERMAN & GREEN LLP Address Line 1: 99 HAWLEY LANE Address Line 4: STRATFORD, CONNECTICUT 06614 ATTORNEY DOCKET NUMBER: 1200-015010-US(PAR)	

PATENT REEL: 032168 FRAME: 0521

Docket No.: 1200-015010-US(PAR)

ASSIGNMENT

WHEREAS, Ty A. Larsen, residing at Everett, WA, and Richard E. Murrish, residing at Snohomish, WA, (hereinafter "Assignor") are original co-inventors of certain new and useful inventions and improvements (hereinafter "Invention") described in the United States patent application entitled EXTRUSION APPARATUS AND METHOD for which Assignor authorized making or has authorized being made application for LETTERS PATENT OF THE UNITED STATES, which application has been duly executed by Assignor concurrently herewith;

WHEREAS, The Boeing Company, a corporation organized and existing under the laws of the State of Delaware, USA, having a place of business at 100 N. Riverside, Chicago, Illinois 60606-1596, with a mailing address of M/C 110-SD54, P.O. Box 2515, Seal Beach, California 90740-1515, USA (hereinafter called "the Assignee"), is desirous of acquiring the entire right, title and interest in and to the Invention within the United States of America and its territorial possessions and all foreign countries, and in and to any United States or foreign LETTERS PATENT that may be granted therefor;

NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, Assignor has assigned, sold and transferred, and does assign, sell and transfer to the Assignee, its successors and assigns, the entire right, title and interest in and to the Invention within the United States of America and its territorial possessions and all foreign countries, and in and to any LETTERS PATENT of the United States and foreign countries, including utility models, inventor's certificates and like government grants that may be granted for any and all portions thereof, and in and to the patent application identified above and applications for patent filed for the Invention in all foreign countries and all provisional, divisional, reissue, continuation, continuation-in-part applications and extensions of any of the applications for patent or LETTERS PATENT identified herein, including all applications claiming the priority of said applications for patent or LETTERS PATENT identified herein, and the right to apply for LETTERS PATENT in foreign countries with full benefit of such priorities as may now or hereafter be granted to Assignor by local laws or by treaty, including any international convention, for the protection of industrial property, together with the right to extend the protection of the United States LETTERS PATENT to the various territorial possessions now owned or which may be hereafter acquired by the United States of America. Assignee will hold all rights for its own use and benefit and for the use and benefit of its successors or assigns to the full end of the term for which the LETTERS PATENT may be granted, as fully and entirely as the same would have been held and enjoyed by Assignor if this assignment and sale had not been made. Assignor requests and authorizes the Commissioner of the U.S. Patent and Trademark Office, and foreign counterpart officials of foreign patent offices, to issue respective LETTERS PATENT in the United States and foreign countries when granted, in accordance with this assignment.

Assignor further covenants and agrees with the Assignee that Assignor has a full and unencumbered title to the Invention, which title Assignor warrants to the Assignee. Assignor further agrees that Assignor will, without demanding any further consideration therefor, at the request and expense of the Assignee, do all lawful and just acts, including the execution and acknowledgment of instruments, that may be or become necessary for obtaining, sustaining, extending, reissuing or reexamining United States and foreign LETTERS PATENT or the like for the Invention, and for maintaining and perfecting the Assignee's right to the Invention and LETTERS PATENT particularly in cases of interference conflict, opposition and litigation.

IN TESTIMONY WHEREOF, I/We have signed this Assignment on the date specified below.

Ty A: Larsen Date

Richard E. Murrish Date

Docket No.: 1200-015010-US(PAR)

ASSIGNMENT

WHEREAS, Ty A. Larsen, residing at Everett, WA, and Richard E. Murrish, residing at Snohomish, WA, (hereinafter "Assignor") are original co-inventors of certain new and useful inventions and improvements (hereinafter "Invention") described in the United States patent application entitled EXTRUSION APPARATUS AND METHOD for which Assignor authorized making or has authorized being made application for LETTERS PATENT OF THE UNITED STATES, which application has been duly executed by Assignor concurrently herewith;

WHEREAS, The Boeing Company, a corporation organized and existing under the laws of the State of Delaware, USA, having a place of business at 100 N. Riverside, Chicago, Illinois 60606-1596, with a mailing address of M/C 110-SD54, P.O. Box 2515, Seal Beach, California 90740-1515, USA (hereinafter called "the Assignee"), is desirous of acquiring the entire right, little and interest in and to the Invention within the United States of America and its territorial possessions and all foreign countries, and in and to any United States or foreign LETTERS PATENT that may be granted therefor;

NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, Assignor has assigned, sold and transferred, and does assign, sell and transfer to the Assignee, its successors and assigns, the entire right, title and interest in and to the Invention within the United States of America and its territorial possessions and all foreign countries, and in and to any LETTERS PATENT of the United States and foreign countries, including utility models, inventor's certificates and like government grants that may be granted for any and all portions thereof, and in and to the patent application identified above and applications for patent filed for the Invention in all foreign countries and all provisional, divisional, reissue, continuation, continuation-in-part applications and extensions of any of the applications for patent or LETTERS PATENT identified herein, including all applications claiming the priority of said applications for patent or LETTERS PATENT identified herein, and the right to apply for LETTERS PATENT in foreign countries with full benefit of such priorities as may now or hereafter be granted to Assignor by local laws or by treaty, including any international convention, for the protection of industrial property, together with the right to extend the protection of the United States LETTERS PATENT to the various territorial possessions now owned or which may be hereafter acquired by the United States of America. Assignee will hold all rights for its own use and benefit and for the use and benefit of its successors or assigns to the full end of the term for which the LETTERS PATENT may be granted, as fully and entirely as the same would have been held and enjoyed by Assignor if this assignment and sale had not been made. Assignor requests and authorizes the Commissioner of the U.S. Patent and Trademark Office, and foreign counterpart officials of foreign patent offices, to issue respective LETTERS PATENT in the United States and foreign countries when granted, in accordance with this assignment.

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IN TESTIMONY WHEREOF, I/We have signed this Assignment on the date specified below.

Richard E. Murrish

PATENT REEL: 032168 FRAME: 0523

RECORDED: 02/07/2014

Ty A. Larsen